

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number  
**WO 2005/080427 A1**

- (51) International Patent Classification<sup>7</sup>: C07K 14/72, A61K 39/00
- (21) International Application Number:  
PCT/GB2005/000188
- (22) International Filing Date: 18 January 2005 (18.01.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0403509.3 17 February 2004 (17.02.2004) GB
- (71) Applicant (for all designated States except US): NEURO-TARGETS LIMITED [GB/GB]; Surrey Technology Centre, Ocream Road, Surry Research Park, Guildford GU2 5YG (GB).
- (72) Inventor; and  
(75) Inventor/Applicant (for US only): WYNICK, David; Dorothy Hodgkin Building, Whitson Street, Bristol BS1 3NY (GB).
- (74) Agents: DEAN, John, Paul et al.; Withers & Rogers LLP, Goldings House, 2 Hays Lane, London SE1 2HW (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GALANIN RECEPTORS AND BRAIN INJURY

(57) Abstract: There is provided the use of a GALR2-specific agonist in the preparation of a medicament for the prevention or treatment of brain injury, damage or disease, wherein the brain injury or damage is caused by one of: embolic, thrombotic or haemorrhagic stroke; direct or indirect trauma or surgery to the brain or spinal cord; ischaemic or embolic damage to the brain during cardiopulmonary bypass surgery or renal dialysis; reperfusion brain damage following myocardial infarction; brain disease; chemical damage as the result of excess alcohol consumption or administration of chemotherapy agents for cancer treatment; radiation damage; or immunological damage as the result of bacterial or viral infection. The brain disease may be one of Alzheimer's Disease, Parkinson's Disease, Multiple Sclerosis or variant Creutzfeldt Jacob Disease.

WO 2005/080427 A1